

Patent Abstracts of Japan

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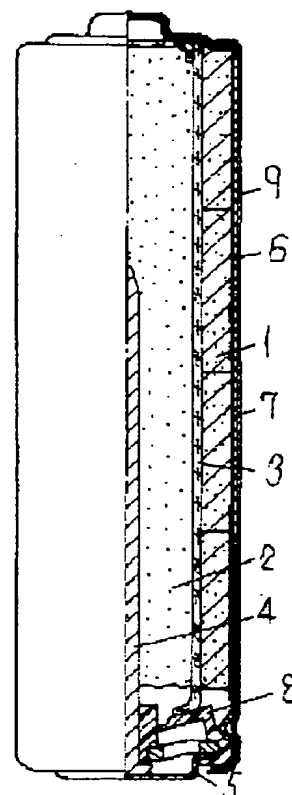
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TITLE : ALKALINE BATTERY



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ABSTRACT : PURPOSE: To improve adhesion of a conductive film by pressing an iron can using a punch to a die with a prescribed arrangement of drawing diameters and having the final stage diameter equal to the outer diameter of a desired can, and using the iron can to serve as a positive electrode case.

CONSTITUTION: An iron raw material which is nickel plated on one surface of a positive electrode case 6 and the other surface coated with a conductive film 7 to, is arranged on the inner surface side of a can as a film, to form a preliminary molding of a cup with diameter larger than an outer diameter of the desired can. Further, a pressure is applied with a punch to a plurality of multistage drawing die, with drawing diameter in the final stage equal to the outer diameter of the desired can, and arranged so as to successively decrease in the drawing ironing diameter. By continuously passing the can through the die, the thickness of the cylindrical side part is formed thinner than the thickness of a bottom plate 5. Here, a liquid conductive coating agent mainly composed of graphite and is excellent in sliding property and ductility is applied to the surface corresponding to the positive electrode case the inner surface of an iron plate, then dried. Thereafter, a can is manufactured by a D, I method, to elongate a coating agent 7 simultaneously with an iron plate firmly secured in uniform thickness in the positive electrode case 6.

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